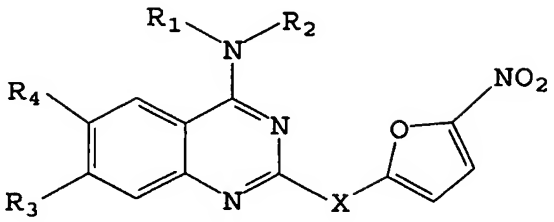
CLAIMS:

1. A compound of the formula



(1.0)

wherein

X is absent or trans or cis CHCH,

R_1 is $(C_1\text{-}C_{10})$alkyl unsubstituted or substituted by one to three hydroxy, $(C_1\text{-}C_{10})$alkenyl unsubstituted or substituted by one to three hydroxy, $(C_1\text{-}C_{10})$alkynyl unsubstituted or substituted by one to three hydroxy, or aryl unsubstituted or substituted by one to three hydroxy;

R_2 is hydrogen, alkyl or aryl;

R_3 and R_4 are, independently of each other, H, halogen, or a solubilizing group,

with the proviso that at least one of R_3 and R_4 is halogen;

or a pharmaceutically acceptable salt thereof.

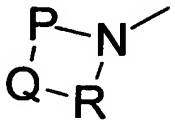
2. A compound according to claim 1, wherein R_1 is aryl unsubstituted or substituted by one to three hydroxy and R_2 is hydrogen.

3. A compound according to claim 1, wherein R_1 is aryl substituted by one hydroxy and R_2 is hydrogen.

4. A compound according to any one of claims 1 to 3, wherein R_4 is a halogen.

5. A compound according to any one of claims 1 to 3, wherein R_4 is fluorine.

6. A compound according to any one of claims 1 to 3, wherein the solubilizing group of R_3 or R_4 is



(1.2)

wherein:

P and R are each independently selected from CH_2, CH_2CH_2 and CH_2CHT where T is alkyl, and

Q is O, S, NH or NCH_3.

7. A compound according to claim 6, wherein R_3 is a halogen and R_4 is partial formula (1.2) wherein Q is NH or NCH_3.

8. A compound according to claim 6 or claim 7, wherein Q is NCH_3.

9. A compound according to any one of claims 1 to 8, wherein R_3 is an amine containing heterocycle.

10. A compound according to any one of claims 1 to 8, wherein R_3 is N-methylpiperazine.

11. A compound according to any one of claims 1 to 10 wherein X is trans CHCH.

12. A compound according to any one of claims 1 to 11, wherein R_1 is hydroxyethanol.

13. A compound according to any one of claims 1 to 11, wherein R_1 is hydroxyaniline.

14. A compound according to any one of claims 1 to 11, wherein R_1 is hydroxyphenyl.

15. A compound according to any one of claims 1 to 11, wherein R_1 is 2-hydroxyethanol.

16. A compound according to any one of claims 1 to 11, wherein R_1 is 4-hydroxyaniline.

17. A compound according to any one of claims 1 to 11, wherein R_1 is 4-hydroxyphenyl.

18. A compound according to any one of claims 1 to 17, wherein R_2 is phenyl, substituted phenyl, pyranyl, substituted pyridinyl, thiophenyl, substituted thiophenyl, furanyl, substituted furanyl, thiazole, oxazole or substituted or unsubstituted imidazole.

19. A compound according to claim 12 or claim 15, wherein R_2 is N-alkyl imidazole.

20. A compound of the formula 6-fluoro-2-[2-(5-nitro-2-furyl)vinyl]-4-(p-hydroxyanilino)-quinazoline.

21. A compound of the formula 7-(4-methylpiperazino)-6-fluoro-2-[2-(5-nitro-2-furyl)vinyl]-4-(p-hydroxyanilino)-quinazoline.

22. A compound of the formula 6-fluoro-2-[2-(5-nitro-2-furyl)vinyl]-4-chloroquinazoline.

23. A compound of the formula 7-(4-methyl piperazino)-6-fluoro-2-[2-(5-nitro-2-furyl)vinyl]-4-chloroquinazoline.

24. A compound of the formula 6-fluoro-2-[2-(5-nitro-2-furyl)vinyl]-4-(3H)quinazolinone.

25. A compound of the formula 7-(4-methylpiperazino)-6-fluoro-2-[2-(5-nitro-2-furyl)vinyl]-4-(3H)quinazolinone.

26. A composition comprising a compound according to any one of claims 1 to 21.

27. A composition comprising a compound according to any one of claims 1 to 21, and a carrier, diluent or excipient.

28. A pharmaceutical composition comprising the compound according to any one of claims 1 to 21, and a pharmaceutically acceptable carrier.

29. A method for treating a bacterial infection in a human or an animal, comprising administering to said human or said animal a therapeutically effective amount of a compound according to any one of claims 1 to 21, effective in treating the bacterial infection.

30. A method of preventing a bacterial infection in a human or an animal, comprising administering to said human or said animal a prophylactically effective amount of a compound according to any one of claims 1 to 21 effective to prevent the bacterial infection.

31. A method for disinfecting an object, including a human, of bacteria, comprising: contacting the object with the compound according to any one of claims 1 to 21 in an amount and for a time sufficient to achieve a desired degree of disinfection.

32. A method of use of the compound according to any one of claims 1 to 21, for antisepsis of an object, including a human, of bacteria, comprising: contacting the object with the compound according to any one of claims 1 to

21 in an amount and for a time sufficient to achieve a desired degree of antisepsis.

33. A method for sterilizing a surface of an object, including a human, of bacteria, which comprises: selecting an area of the surface for sterilization and applying the compound according to any one of claims 1 to 21, onto the surface of the object in an amount and for a time sufficient to achieve sterilization.

34. Use of the compound according to any one of claims 1 to 21, in the manufacture of a medicament for treating or preventing bacterial infection.

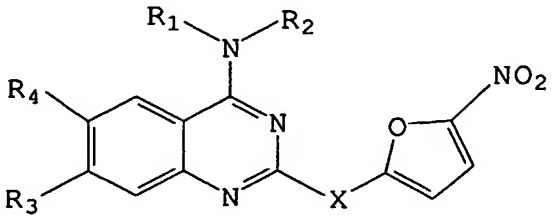
35. Use of the compound according to any one of claims 1 to 21, for treating or preventing bacterial infection in humans or animals.

36. Use of the compound according to any one of claims 1 to 21, for disinfection.

37. Use of the compound according to any one of claims 1 to 21, for antisepsis.

38. Use of the compound according to any one of claims 1 to 21, for sterilization.

39. A process for the preparation of a compound of formula 1.0

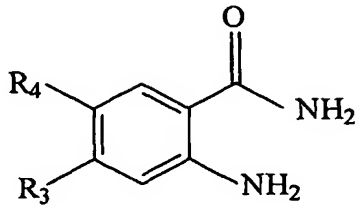


(1.0)

wherein R_1, R_2, R_3 and R_4 are as defined in claim 1,

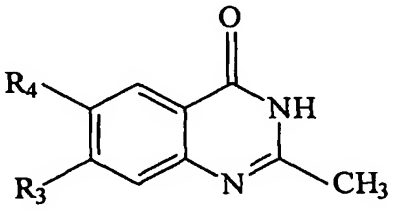
the process comprising:

a) reacting a compound of formula (1.3)



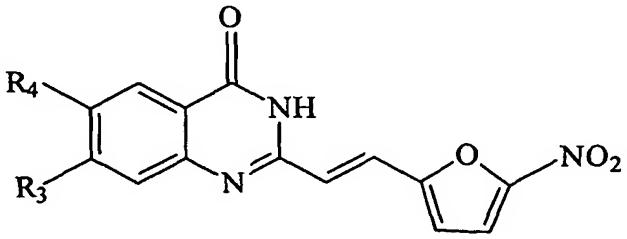
(1.3)

with hydrochloric acid, acetic anhydride and aqueous ammonia, to form a compound of formula (1.4)



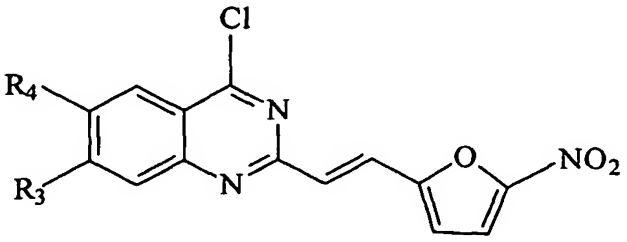
(1.4)

b) reacting the compound of formula 1.4 with 5-nitro-2-furancarboxaldehyde, to form a compound of formula (1.5)



(1.5)

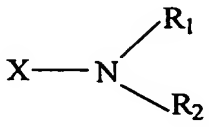
c) reacting the compound of formula 1.5 with phosphorus pentachloride and phosphorus oxychloride to form a compound of formula (1.6)



(1.6)

and

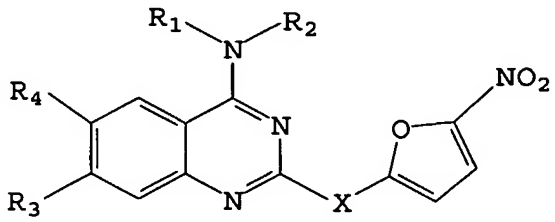
d) reacting the compound of formula 1.6 with a compound of the formula (1.7)



(1.7)

wherein X is H and R_1 and R_2 are as defined above.

40. A process for the preparation of a compound of formula 1.0

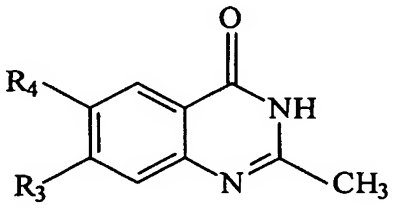


(1.0)

wherein R_1, R_2, R_3 and R_4 are as defined in claim 1,

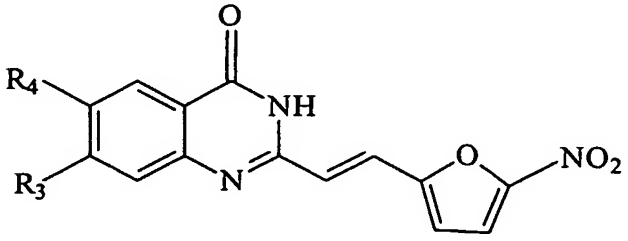
the process comprising:

b) reacting a compound of formula 1.4



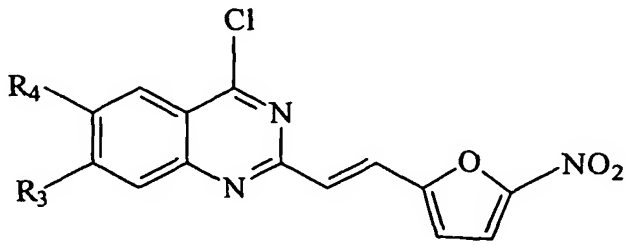
(1.4)

with 5-nitro-2-furancarboxaldehyde, to form a compound of formula (1.5)



(1.5)

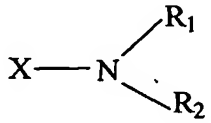
c) reacting the compound of formula 1.5 with phosphorus pentachloride and phosphorus oxychloride to form a compound of formula (1.6)



(1.6)

and

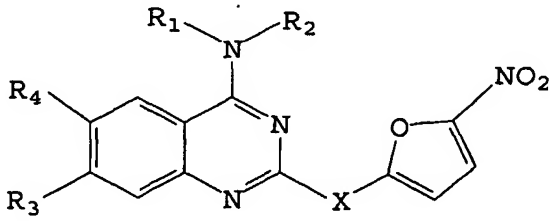
d) reacting the compound of formula 1.6 with a compound of the formula (1.7)



(1.7)

wherein X is H and R_1 and R_2 are as defined above.

41. A process for the preparation of a compound of formula 1.0

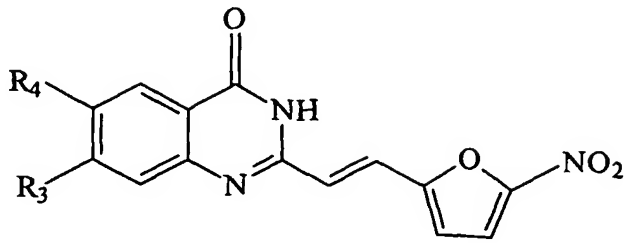


(1.0)

wherein R_1, R_2, R_3 and R_4 are as defined in claim 1,

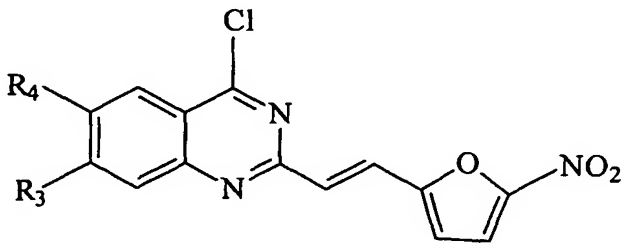
the process comprising:

c) reacting a compound of formula 1.5



(1.5)

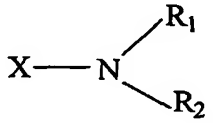
with phosphorus pentachloride and phosphorus oxychloride to form a compound of formula (1.6)



(1.6)

and

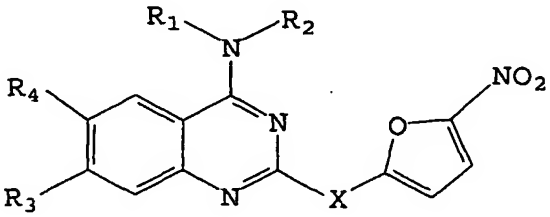
d) reacting the compound of formula 1.6 with a compound of the formula (1.7)



(1.7)

wherein X is H and R_1 and R_2 are as defined above.

42. A process for the preparation of a compound of formula 1.0

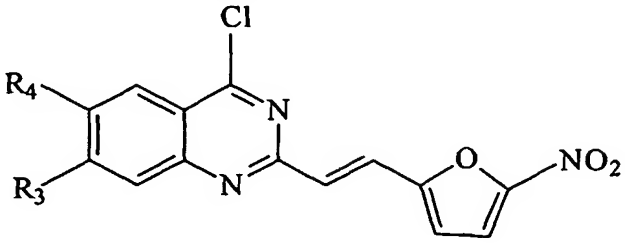


(1.0)

wherein R_1, R_2, R_3 and R_4 are as defined in claim 1,

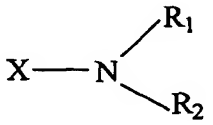
the process comprising:

d) reacting a compound of formula 1.6



(1.6)

with a compound of the formula (1.7)



(1.7)

wherein X is H and R_1 and R_2 are as defined above.